

CLAIMS

1. (currently amended) A method of transmitting a signal encompassing an encoded media object comprising the steps of: encoding said video information of said media object into said signal for transmission over a communications network;

receiving network communication parameters related to the status of said communications network;

adapting, responsive to said step of receiving network communication parameters, said encoding step using a neural network, wherein said adapting step comprises the operations of modifying a quantization level used to quantize said video information after a transform operation and ~~is at least one of: bit rate shaping by adjusting the bit rate used for encoding said quantized video information said transmission of said signal, and modifying a quantization level used for said encoding of said signal.~~

2. (previously presented) The method of claim 1, wherein said network communication parameters are: A. packet fraction loss; B. cumulative number of packets lost; C. inter-arrival jitter; and D. last sender report:

3. (previously presented) The method of claim 2, wherein said communication parameters are received as Real Time Control Protocol system status information.

4. (previously presented) The method of claim 1, wherein said signal is encoded into an MPEG compatible data stream.

Claims 5-10 (cancelled)